YAMAHA

U

English

Français

YIT-W12

Wireless Transmitter for iPod

Transmetteur sans fil pour iPod

Owner's Manual

Mode d'emploi

yAired

Made for iPod iPhone iPad

FCC INFORMATION (for US customers)

1 **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!:** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2 **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3 **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

4 Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

5 Relocate either this product or the device that is being affected by the interference.

6 Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

7 In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

8 If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America A/V Division 6600 Orangethorpe Ave., Buena Park, CA 90620.

9 The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

COMPLIANCE INFORMATION STATEMENT (DECLARATION OF CONFORMITY PROCEDURE)

Responsible Party	Yamaha Corporation of America A/V Division	Yamaha Canada Music Ltd.
Address	6600 Orangethorpe Avenue, Buena Park, CA 90620, USA	135 Milner Avenue, Toronto, Ontario, MIS 3R1, Canada
Telephone	1-714-522-9011	1-416-298-1311
Type of Equipment	Wireless Transmitter for iPod	
Model Name	YIT-W12TX	

- This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s).
- Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received including interference that may cause undesired operation.

  See the "Troubleshooting" section at the end of this manual if interference to radio reception is suspected.

FCC WARNING

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in aresidential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.

– Increase the separation between the equipment and receiver.

– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

– Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines

in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).
This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Warranty policy for U.S. and Canada customer

Your Yamaha product is covered by a limited warranty for one year from the date of purchase. In the unlikely event of failure due to defective materials or workmanship, Yamaha will repair or replace them at no charge. Please visit our website for full details.
U.S.: (http://www.yamaha.com/yec/), Canada: (http://www.yamaha.ca/)

FOR CANADIAN CUSTOMERS

To prevent electric shock, match wide blade of plug to wide slot and fully insert.
This Class B digital apparatus complies with Canadian ICES-003.

Caution: Read this before operating this unit.

1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

3 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

4 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:

- Other components, as they may cause damage and/or discoloration on the surface of this unit.
- Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
- Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

5 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

6 Do not use force on switches, knobs and/or cords.

7 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

8 Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reasons.

9 Be sure to read the "Troubleshooting" section on common operating errors before concluding that this unit is faulty.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

Radio waves may affect electro-medical devices.
Do not use this unit near medical devices or inside medical facilities.
Do not use this unit within 22 cm (9 in) of persons with a heart pacemaker implant or defibrillator implant.

IMPORTANT

Please record the serial number of this unit in the space below.
MODEL:
Serial No.:
The serial number is located on the back side of the package. Retain this Owner's Manual in a safe place for future reference.

This unit may affect radio waves of iPhone when iPhone is charged by using this unit. In addition, radio waves of this unit and iPhone may interfere with each other. If you have a problem with your telephone call, disconnect your iPhone from this unit.

We Want You Listening For A Lifetime

Yamaha and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.
Since hearing damage from loud sounds is often undetectable until it is too late, Yamaha and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.

About this manual

- This manual describes all the "iPod", "iPhone" and "iPad" as the "iPod". "iPod" refers to "iPod", iPhone" and "iPad", unless otherwise specified.
- Marks used in this manual

NOTE

This indicates precautions for use of the product and its feature limitations.

HINT

This indicates supplementary explanations for better use.

yA◉red

The " yA◉red " and "yAired" are trademarks of Yamaha Corporation.

Made for iPod iPhone iPad

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards.
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

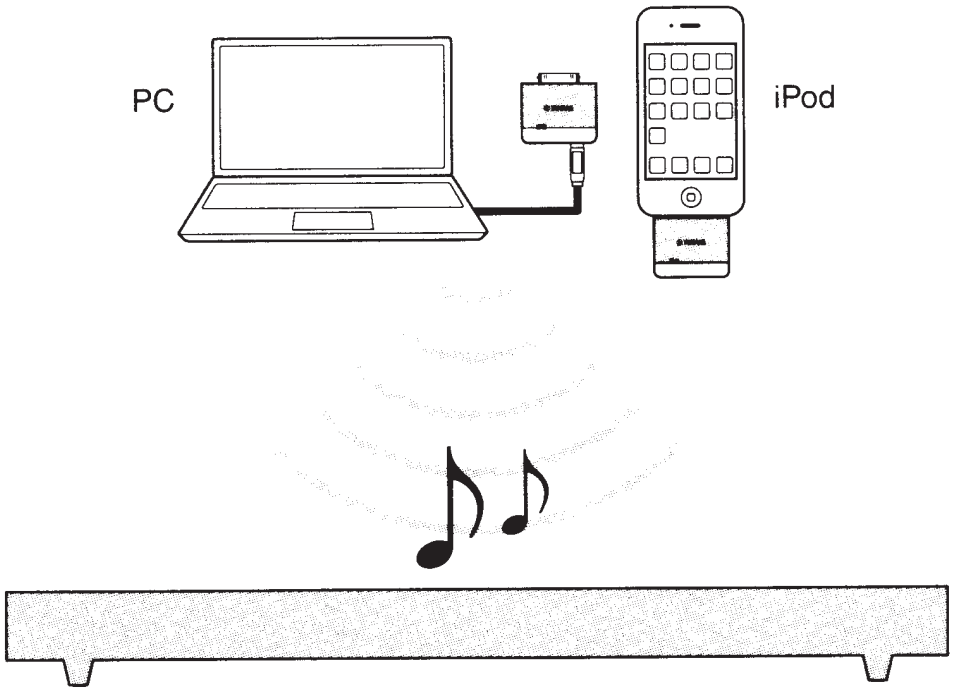
iPad, iPhone, iPod, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

Windows™

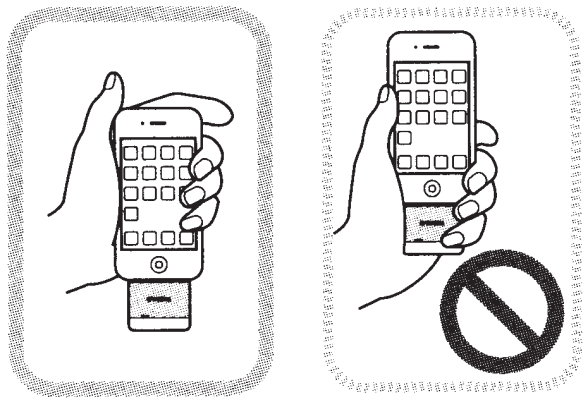
Windows is a registered trademark of Microsoft Corporation in the United States and other countries.
Windows XP, Windows Vista, and Windows 7 are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Introduction

YIT-W12 consists of YIT-W12TX and a dedicated USB cable. YIT-W12TX is a wireless transmitter designed for iPod series and PCs. YIT-W12TX employs the Yamaha "yAired" technology to establish a wireless connection with another Yamaha product that supports "yAired" and enables playback of the iPod or PC on your Yamaha product.
Also the supplied USB cable can be used for charging the iPod connected to the transmitter, or to play music or videos for an extended time.
For information on iPod and PC operating systems supported by YIT-W12TX, see "Specifications" (p.10).



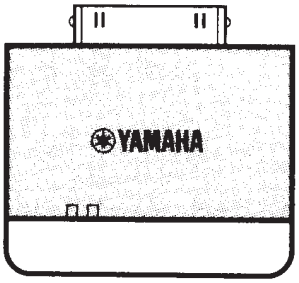
Yamaha product that supports "yAired"



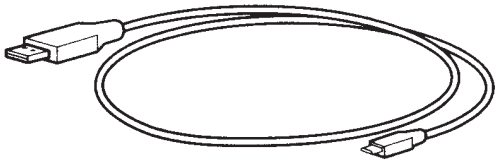
NOTE

Do not cover the built-in wireless antenna that is located at the lower-left corner of the transmitter. Doing so may weaken the wireless signals. Hold the iPod as illustrated on the left when operating the iPod. Do not cover the built-in wireless antenna that is located at the lower-left corner of the transmitter. Doing so may weaken the wireless signals.

Supplied items



Wireless transmitter (YIT-W12TX)



USB cable (0.3 m [1 ft])

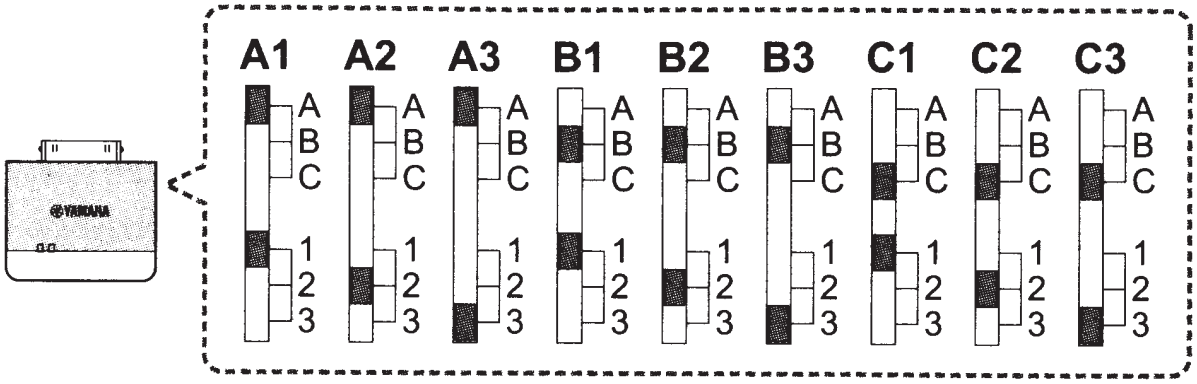
* For connecting the transmitter to a PC (Be sure to use the supplied USB cable when connecting the transmitter to a PC.)

Setting the group ID

To establish a wireless connection (yAired) between the transmitter and another Yamaha product, you need to set both the products to the same group.

Change the group ID of the transmitter or your Yamaha product if their group IDs are not same.

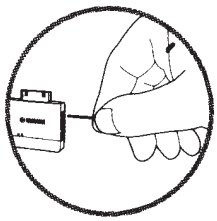
Group ID switches (on the side of the transmitter)



ID	Description
A1 to A3, B1 to B3	Audio delay is less than that of the C1–C3 set.
C1 to C3	Use when playing music stored on a PC via the transmitter.

NOTE

- Use a blunt-tip metal tool (such as tweezers) to switch the group ID. Be careful not to get injured.

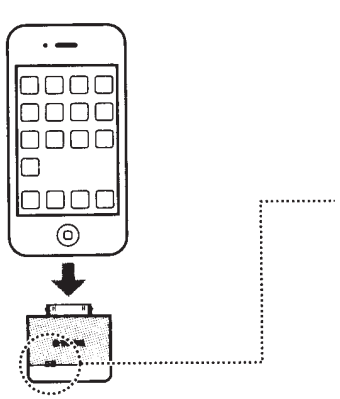


Playing back iPod music

1 Check that the transmitter and your Yamaha product are set to the same group ID.

2 Connect your iPod to the transmitter.

A wireless connection between the transmitter and your Yamaha product will be established.



(Flashes green rapidly)
iPod recognition in progress

(Flashes green slowly)
preparing for a wireless connection

(Lights up green)
wireless connection established

(Flashes red)
iPod low battery or error indication (p.7)

3 Start playback on your iPod.

Your Yamaha product automatically selects the transmitter (YIT) as the input source and starts to play the iPod audio.

NOTE

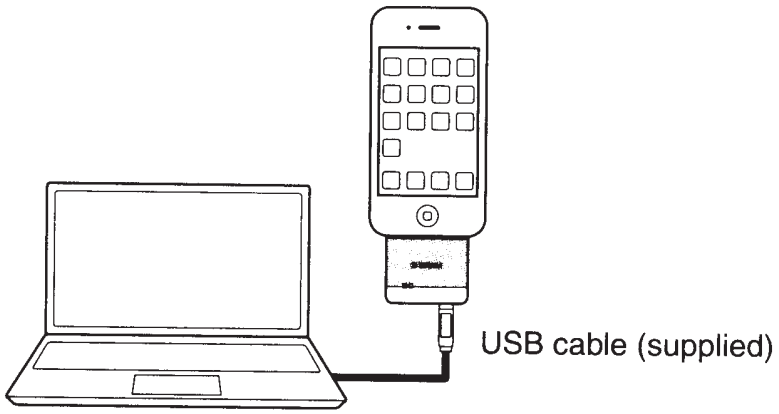
- When disconnecting the iPod from the transmitter, pull the iPod upward slowly.
- The transmitter uses the battery of the iPod as the power source. Charge the battery of the iPod if it runs out. Also, disconnect the iPod from the transmitter when the transmitter is not in use. Otherwise, the battery may drain faster.

HINT

- Your Yamaha product automatically turns on if you start playback on your iPod.
- Some Yamaha products will terminate the wireless connection and turn off automatically if a certain period of time elapses after iPod playback is stopped.
- To adjust the volume, use the volume controls on your Yamaha product or iPod. (Volume adjustments will be reflected on one another.)
- You can enjoy videos on the iPod screen.

Charging an iPod

You can charge the iPod by connecting the transmitter to your PC using the supplied USB cable. Also, you can enjoy iPod music on your Yamaha product while charging the iPod.



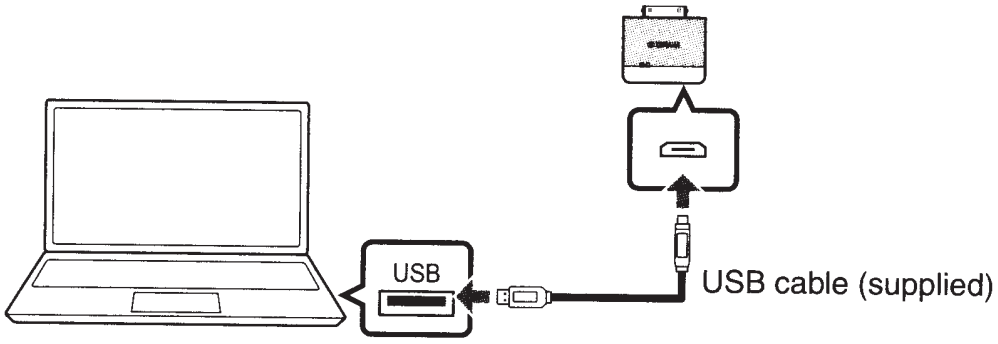
NOTE

- Charging may not be possible depending on the USB power supply capability of your PC.
- Data synchronization between the iPod and PC may start automatically when they are connected. You cannot play back iPod audio on your Yamaha product during data synchronization. Please wait until data synchronization is completed, or cancel it as necessary.

Playing back PC music

1 Check that the transmitter and your Yamaha product are set to the same group ID (C1, C2 or C3).

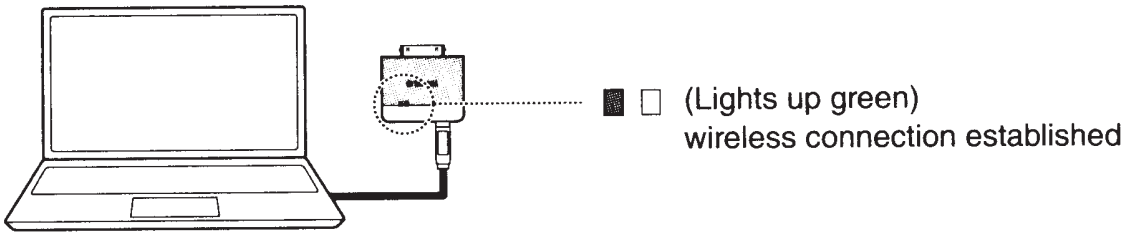
2 Connect the transmitter to your PC with the supplied USB cable.



The USB driver software will be automatically installed on your PC (only the first time the transmitter is connected to the PC).

3 Start playback on your PC.

After a wireless connection between the transmitter and your Yamaha product is established, the Yamaha product automatically selects the transmitter (YIT) as the input source and starts to play the PC audio.



NOTE

- The transmitter automatically stops if your Yamaha product is turned off or if an input source other than the transmitter is selected. To play back the PC audio again, disconnect the transmitter from the PC and then reconnect them.
- If PC audio is not available on your Yamaha product, the transmitter may not be selected as the audio playback device on your PC. Check the audio device settings on your PC. For details, refer to the manuals of the PC.
- Do not use a USB hub when connecting the transmitter to a PC.
- You cannot play back PC audio on your Yamaha product when an iPod is connected to the transmitter.

HINT

- Your Yamaha product automatically turns on if you start playback on your PC.
- Some Yamaha products will terminate the wireless connection and turn off automatically if a certain period of time elapses after PC playback is stopped.
- You can enjoy videos on the PC monitor.

Updating the firmware of the transmitter

New firmware that provides additional features or product improvements will be released as needed. Updates can be downloaded from our website. Please check our website regularly for Information.

Troubleshooting

Refer to the table below when the unit does not function properly.
If the problem you are experiencing is not listed below or if the instructions below do not help, contact the nearest authorized Yamaha dealer or service center.
First, check the following:

① The power cable of your Yamaha product is connected to an AC wall outlet securely.

② The latest firmware is installed on the transmitter or your iPod.

Problem/Cause	Remedy
A wireless connection cannot be made. (The green indicator is off.)	
Your iPod is not connected to the transmitter firmly.	Reconnect the iPod to the transmitter.
The battery of your iPod is low or run out.	Charge the iPod (p.5).
The supplied USB cable is not connected to the transmitter (or PC) firmly.	Reconnect the USB cable.
The USB driver software is not installed on your PC because the PC (operating system) is not supported by the transmitter.	Use a PC (operating system) supported by the transmitter (p.10).
A wireless connection cannot be made. (The green indicator flashes.)	
The group IDs of the transmitter and your Yamaha product are not same.	Set both the products to the same group (p.3).
iPod recognition has failed because your iPod is not supported by the transmitter. (In this case, the red indicator starts flashing 30 seconds after an iPod connection.)	Use an iPod supported by the transmitter (p.10). If you are using a supported iPod, but still cannot establish a wireless connection, reconnect the iPod to the transmitter. If the problem happens frequently, disconnect the iPod from the transmitter, restart the iPod, and reconnect the iPod.

There is a communication error between the transmitter and your iPod. (In this case, the red indicator starts flashing 30 seconds after an iPod connection.)	Reconnect the iPod to the transmitter. If the problem happens frequently, disconnect the iPod from the transmitter, restart the iPod, and reconnect the iPod
No sound is coming from the Yamaha product although a wireless connection is established.	
The volume of your Yamaha product is too low.	Turn up the volume.
The mute function is activated on your Yamaha product.	Cancel the mute function.
An input source other than the transmitter (YIT) is selected on your Yamaha product.	Select the transmitter (YIT) as the input source.
Headphones are connected to your iPod.	Disconnect the headphones from the iPod.
The transmitter is not selected as the audio playback device on your PC.	Check the audio device settings on your PC and select the transmitter as the audio playback device. (The name of the transmitter displayed on your PC varies depending on its operating system.)
The sound is interrupted. (The green indicator flashes.)	
The transmitter is too far from your Yamaha product.	Move the transmitter closer to your Yamaha product.
The signal from the transmitter is blocked by your body, metallic objects or walls.	Move the transmitter to another position so that the signal from the transmitter is not blocked.
No sound is coming from the Yamada product when playing back music stored on an iPod.	
Your iPod is not connected to the transmitter firmly.	Reconnect the iPod to the transmitter.
The volumes of the iPod and Yamaha product are not reflected one another.	
Your iPod is not connected to the transmitter firmly.	Reconnect the iPod to the transmitter.

No sound is coming from the Yamada product when playing back music stored on a PC.	
The group ID is assigned to the A1–A3 set or B1–B3 set.	Change the group ID of the Yamaha product and transmitter to the C1–C3 set (p.7).
Ring tone for iPhone is output from the Yamaha product.	
Your iPhone received a call while it is connected to the transmitter.	As necessary, disable the ringtone output on your iPhone.
The communication between Wi-Fi devices becomes unstable.	
There are signal interferences between the transmitter and your Wi-Fi devices.	Move the transmitter away from your Wi-Fi devices. If the problem happens frequently, disconnect the iPod (or the USB cable connected to the PC) from the transmitter and reconnect it after a while.

Specifications

Item	Transmitter (YIT-W12TX)
Supported iPod/iPhone/iPad (as of June 2012)	iPod touch (1st, 2nd, 3rd and 4th generation) iPod nano (3rd, 4th, 5th and 6th generation) iPhone 4S, iPhone 4, iPhone 3GS, iPhone 3G, iPhone iPad (3rd generation), iPad 2, iPad
PC (Operating System) (as of June 2012)	Windows 7, Windows Vista, Windows XP Mac OS X (10.6 or later)
Power Consumption	0.3 W or less
Allowable Current	2.1 A or less
Connector	Dock connector, Micro USB
Sampling Frequency	48 kHz (iPod/iPhone/iPad) 32 kHz, 44.1 kHz, 48 kHz (PC)
Frequency Band	2.4 GHz
Transmission Range	Refer to the manual of your Yamaha product connected to the transmitter.
Transmission Delay	Group ID (A/B): 12 msec, Group ID (C): 50 msec
Dimensions (W x H x D)	40 x 38.5 x 10 mm (1-5/8" x 1-1/2" x 3/8")
Weight	10.3 g (0.36 oz)

* Specifications are subject to change without notice.

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